

Piecing it Together: Photo Mosaic Activity

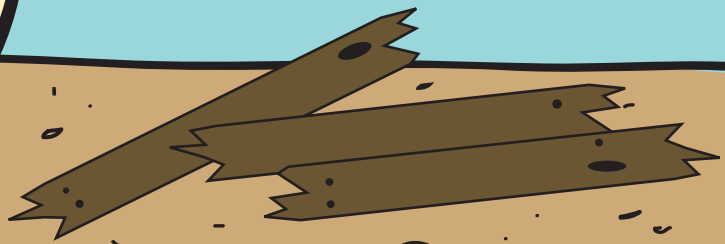


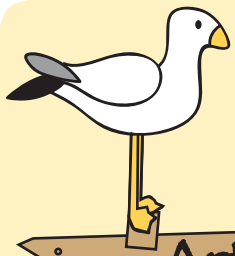
Thunder Bay National Marine Sanctuary is an important location for maritime archaeologists. There are approximately 200 shipwrecks in and around Thunder Bay National Marine Sanctuary, representing every type of vessel that sailed on the Great Lakes during the "Shipwreck Century" from 1825-1925. With that many shipwrecks, Thunder Bay is a very historically significant place. Archaeologists from all over the world come to study the shipwrecks in the Great Lakes, especially the shipwreck sites in Thunder Bay.

How do **maritime archaeologists** study shipwreck sites? SCUBA divers dive down to the wreck to observe and record what they see. When archaeologists study a site they carefully document the shipwreck and its artifacts. That means they take many measurements, make drawings, and take pictures and video of the site. When archaeologists make a carefully measured drawing it is called a **site plan**. If archaeologists piece together the video or pictures from a shipwreck site, they create a photo mosaic. **Photo mosaics** are very useful in studying shipwreck sites because archaeologists can see exactly what the wreck looks like on the bottom of the lake.

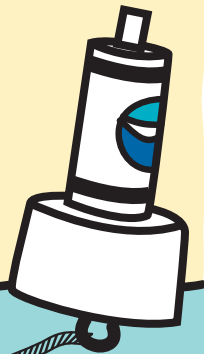
Vessel Vocab

ROV - Remotely Operated Vehicle.
ROV's are underwater robots that help archaeologists document shipwreck sites.
Maritime Archaeology - A discipline that studies human interaction with the sea, lakes and rivers through the study of vessels, shore side facilities, cargoes, and human remains.
Photo Mosaic - A composite image formed from many small pictures taken of a vessel, which are then stitched together using a computer to create one large picture.
Site Plan - A scaled drawing of a shipwreck and its artifacts as it lays on the bottom of the sea or lake.





Sometimes when a site is very deep and archaeologists can't spend as long on the site, they use **remotely operated vehicles (ROVs)** to take pictures and video for them. ROVs are a useful way to document a shipwreck site because they don't need air like SCUBA divers, so they can stay on the bottom a very long time.



Arti-FACTS

Activity

In this activity you and your team will work together like real maritime archaeologists to piece together a photo mosaic of a shipwreck. You will need to attach your pieces to the shipwreck layout in front of you. After you have finished, find the other half of your vessel and complete your photo mosaic. Remember to work together to solve the puzzle.

Materials

- Shipwreck blocks
- Shipwreck layout
- Glue

Crew Commands

1. Match up the cut pieces to your team's ship layout.
2. Glue the pieces of your photo mosaic onto larger ship layout.
3. Find the team with the other half of your vessel.
4. The first teams to complete their photo mosaic and find the other half of their vessel is the winner!

Shipwreck Challenge

Create your own mosaic by drawing a picture of a ship then cutting it into pieces. Have a partner try and put your mosaic together.

Figure It Out

With
Inspector
Perry
Mussel



In your teams, try and decide which wreck you think your photo mosaic might be. Why?

